

| L Number | Hits | Search Text | DB | Time stamp |
|----------|------|---|---|---------------------|
| - | 190 | ((@ad<=19991026 or @rlad<=19991026) and (((re adj programmable) or reprogrammable) adj2 memory).ab. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/06/21 15:33 |
| - | 2103 | ((@ad<=19991026 or @rlad<=19991026) and ("programmable logic controller" or PLC).ab. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/06/21 13:30 |
| - | 21 | (((@ad<=19991026 or @rlad<=19991026) and (((re adj programmable) or reprogrammable) adj2 memory).ab.) or ((@ad<=19991026 or @rlad<=19991026) and ("programmable logic controller" or PLC).ab.)) and (compil\$4 same (program near8 execut\$5)) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/06/21 13:54 |
| - | 3 | (((@ad<=19991026 or @rlad<=19991026) and (((re adj programmable) or reprogrammable) adj2 memory).ab.) or ((@ad<=19991026 or @rlad<=19991026) and ("programmable logic controller" or PLC).ab.)) and ((load\$4 or compil\$4) near5 (executable or binary or (user adj program) or code) near6 (flash or reprogrammable or PROM or EPROM)) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/06/21 13:43 |
| - | 4583 | ((@ad<=19991026 or @rlad<=19991026) and (programming same (programmable or reprogrammable or EPROM or flash)).ab. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/06/21 13:54 |
| - | 45 | ((@ad<=19991026 or @rlad<=19991026) and ("programmable logic controller" or PLC).ab.) and ((@ad<=19991026 or @rlad<=19991026) and (programming same (programmable or reprogrammable or EPROM or flash)).ab.)) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/06/21 13:54 |
| - | 10 | (((@ad<=19991026 or @rlad<=19991026) and ("programmable logic controller" or PLC).ab.) and ((@ad<=19991026 or @rlad<=19991026) and (programming same (programmable or reprogrammable or EPROM or flash)).ab.)) and (compil\$4 or (program near8 execut\$5)) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/06/21 14:01 |
| - | 1 | 6247168.URPN. | USPAT | 2003/06/21 13:57 |
| - | 1 | 2002-187124.NRAN. | DERWENT | 2003/06/21 13:58 |
| - | 4 | ((compiler or compiling or compilation) near5 (PLC or "logic controller")).ab. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/06/21 14:10 |
| - | 224 | ((program near8 stor\$4) and (PLC or "logic controller")).ab. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/06/21 14:11 |
| - | 15 | ((@ad<=19991026 or @rlad<=19991026) and (((re adj programmable) or reprogrammable) adj2 memory) and (PLC or "logic controller")) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/06/21 14:22 |
| - | 149 | ((@ad<=19991026 or @rlad<=19991026) and ((program near8 stor\$4) and (PLC or "logic controller")).ab.) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/06/21 14:19 |

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|---|------|---|---|---------------------|
| - | 15 | (executable or program or code or binary) same ((EPROM or (programmable adj2 memory)) near5 (PLC or "logic controller")) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/06/21 15:26 |
| - | 705 | (PLC or micro controller) near8 (compiler or (compil\$6 adj2 (function\$5 or task\$1)) or ((translat\$4 or conver\$5) near3 (executable or binary))) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/06/21 15:46 |
| - | 618 | (@ad<=19991026 or @rlad<=19991026) and ((PLC or micro controller) near8 (compiler or (compil\$6 adj2 (function\$5 or task\$1)) or ((translat\$4 or conver\$5) near3 (executable or binary)))) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/06/21 15:33 |
| - | 1 | ((@ad<=19991026 or @rlad<=19991026) and (((re adj programmable) or reprogrammable) adj2 memory) and ((PLC or micro controller) near8 (compiler or (compil\$6 adj2 (function\$5 or task\$1)) or ((translat\$4 or conver\$5) near3 (executable or binary)))) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/06/21 15:47 |
| - | 90 | ((@ad<=19991026 or @rlad<=19991026) and ((PLC or micro controller) near8 (compiler or (compil\$6 adj2 (function\$5 or task\$1)) or ((translat\$4 or conver\$5) near3 (executable or binary)))) and ((((re adj programmable) or reprogrammable) adj2 memory) or PROM or EEPROM or flash) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/06/21 18:02 |
| - | 4420 | (PLC or ("micro controller" and program\$5) or "logic controller").ab. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/06/21 15:35 |
| - | 5 | (((@ad<=19991026 or @rlad<=19991026) and ((PLC or micro controller) near8 (compiler or (compil\$6 adj2 (function\$5 or task\$1)) or ((translat\$4 or conver\$5) near3 (executable or binary)))) and ((((re adj programmable) or reprogrammable) adj2 memory) or PROM or EEPROM or flash)) and 717/\$ | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/06/21 15:36 |
| - | 39 | (PLC or (programmable adj2 controller)) near8 (compiler or (compil\$6 adj2 (function\$5 or task\$1)) or ((translat\$4 or conver\$5) near3 (executable or binary))) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/06/21 15:47 |
| - | 36 | (@ad<=19991026 or @rlad<=19991026) and ((PLC or (programmable adj2 controller)) near8 (compiler or (compil\$6 adj2 (function\$5 or task\$1)) or ((translat\$4 or conver\$5) near3 (executable or binary)))) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/06/21 16:15 |
| - | 3 | ((@ad<=19991026 or @rlad<=19991026) and ((PLC or (programmable adj2 controller)) near8 (compiler or (compil\$6 adj2 (function\$5 or task\$1)) or ((translat\$4 or conver\$5) near3 (executable or binary)))) and (((re adj programmable) or reprogrammable) adj2 memory) or EPROM or PROM or flash) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/06/21 16:10 |
| - | 4 | ((PLC or (programmable adj2 controller)) near8 compiler) and (((re adj programmable) or reprogrammable) adj2 memory) or EPROM or PROM or flash) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/06/21 16:13 |
| - | 223 | (burn\$4 or programming) near4 (EPROM or flash) and (programmable adj4 (controller\$1 or processor\$1)) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/06/21 16:15 |

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|---|-----|--|---|---------------------|
| - | 104 | (@ad<=19991026 or @rlad<=19991026) and compiler and ((convert\$4 or translat\$4 or compil\$4) near5 (executable\$1 or binary or "machine code")) and programmable.ab. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/06/21 18:01 |
| - | 2 | ((burn\$4 or programming) near4 (EPROM or flash) and (programmable adj4 (controller\$1 or processor\$1))) and ((@ad<=19991026 or @rlad<=19991026) and compiler and ((convert\$4 or translat\$4 or compil\$4) near5 (executable\$1 or binary or "machine code")) and programmable.ab.) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/06/21 16:27 |
| - | 8 | ((("5964890") or ("5566344") or ("5590373") or ("5495593"))).PN. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/06/21 16:33 |
| - | 2 | ((("5964890") or ("5566344") or ("5590373") or ("5495593"))).PN.) and ((programmable adj2 controller) or (sequenc\$4 or compiler)) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/06/21 16:34 |
| - | 15 | (US-4178634-\$ or US-6205513-\$ or US-6463339-\$ or US-6201996-\$ or US-6263487-\$ or US-6249711-\$ or US-5857093-\$ or US-5321603-\$ or US-5287548-\$ or US-5524244-\$ or US-5590373-\$ or US-5566344-\$ or US-5495593-\$ or US-4969083-\$).did. or (US-20010025294-\$).did. | USPAT; US-PGPUB | 2003/06/21 16:42 |
| - | 1 | ((US-4178634-\$ or US-6205513-\$ or US-6463339-\$ or US-6201996-\$ or US-6263487-\$ or US-6249711-\$ or US-5857093-\$ or US-5321603-\$ or US-5287548-\$ or US-5524244-\$ or US-5590373-\$ or US-5566344-\$ or US-5495593-\$ or US-4969083-\$).did. or (US-20010025294-\$).did.) and ((operating adj system) near5 (programmable adj2 controller)) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/06/21 17:32 |
| - | 10 | ((US-4178634-\$ or US-6205513-\$ or US-6463339-\$ or US-6201996-\$ or US-6263487-\$ or US-6249711-\$ or US-5857093-\$ or US-5321603-\$ or US-5287548-\$ or US-5524244-\$ or US-5590373-\$ or US-5566344-\$ or US-5495593-\$ or US-4969083-\$).did. or (US-20010025294-\$).did.) and ((programmable adj2 controller) or PLC) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/06/21 17:39 |
| - | 6 | ("5432927" "5467286" "5603086" "5701492" "5794054" "5835761").PN. | USPAT | 2003/06/21 17:34 |
| - | 9 | ((US-4178634-\$ or US-6205513-\$ or US-6463339-\$ or US-6201996-\$ or US-6263487-\$ or US-6249711-\$ or US-5857093-\$ or US-5321603-\$ or US-5287548-\$ or US-5524244-\$ or US-5590373-\$ or US-5566344-\$ or US-5495593-\$ or US-4969083-\$).did. or (US-20010025294-\$).did.) and ((programmable adj2 controller) or PLC)) and (EPROM or compiler) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/06/21 17:37 |
| - | 1 | ((US-4178634-\$ or US-6205513-\$ or US-6463339-\$ or US-6201996-\$ or US-6263487-\$ or US-6249711-\$ or US-5857093-\$ or US-5321603-\$ or US-5287548-\$ or US-5524244-\$ or US-5590373-\$ or US-5566344-\$ or US-5495593-\$ or US-4969083-\$).did. or (US-20010025294-\$).did.) and ((programmable adj2 controller) or PLC)) and (EPROM and compiler) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/06/21 17:54 |

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|---|------|--|---|---------------------|
| - | 1440 | ((PLC and DSP) or ((programmable adj2 controller) and (signal adj processor\$1))) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/06/21 17:59 |
| - | 9 | (((PLC and DSP) or ((programmable adj2 controller) and (signal adj processor\$1))) and (EPROM and compiler) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/06/21 17:54 |
| - | 229 | ((PLC same DSP) or ((programmable adj2 controller) same (signal adj processor\$1))) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/06/21 17:59 |
| - | 160 | (@ad<=19991026 or @rlad<=19991026) and (((PLC same DSP) or ((programmable adj2 controller) same (signal adj processor\$1)))) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/06/21 18:17 |
| - | 41 | ((@ad<=19991026 or @rlad<=19991026) and (((PLC same DSP) or ((programmable adj2 controller) same (signal adj processor\$1)))) and (((re adj programmable) or reprogrammable) adj2 memory) or PROM or EEPROM or flash) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/06/21 18:17 |
| - | 38 | co-simulation and EEPROM | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/06/21 18:17 |
| - | 17 | (@ad<=19991026 or @rlad<=19991026) and (co-simulation and EEPROM) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/06/21 18:17 |
| - | 15 | ((@ad<=19991026 or @rlad<=19991026) and (co-simulation and EEPROM)) and (PLC or (programmable adj2 logic)) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/06/21 18:19 |
| - | 12 | (((@ad<=19991026 or @rlad<=19991026) and (co-simulation and EEPROM)) and (PLC or (programmable adj2 logic))) and ((stor\$4 or burn\$ or flash\$4) near3 EEPROM) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/06/21 18:19 |
| - | 2 | ("6026230").PN. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/06/22 11:49 |
| - | 15 | (US-5524244-\$ or US-5590373-\$ or US-5566344-\$ or US-5495593-\$ or US-6463339-\$ or US-6201996-\$ or US-6263487-\$ or US-6249711-\$ or US-5857093-\$ or US-5321603-\$ or US-5287548-\$ or US-6205513-\$ or US-4969083-\$ or US-4178634-\$ or US-6026230-\$).did. | USPAT | 2003/06/22 12:21 |
| - | 3 | ((US-5524244-\$ or US-5590373-\$ or US-5566344-\$ or US-5495593-\$ or US-6463339-\$ or US-6201996-\$ or US-6263487-\$ or US-6249711-\$ or US-5857093-\$ or US-5321603-\$ or US-5287548-\$ or US-6205513-\$ or US-4969083-\$ or US-4178634-\$ or US-6026230-\$).did.) and compiler and PLC and programmable | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/06/22 13:42 |

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| - | 4766 | ((717/168-178,140-167) or (703/13) or (700/18-19) or (711/103,171)).CCLS. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/06/22 13:44 |
| - | 0 | ("((embedded or internal) adj2 RAM) same (microcontroller or CPU)) and (PLC or "programmable logic controller") | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/01/16 10:26 |
| - | 33 | ((embedded or internal) adj2 RAM) same (microcontroller or CPU)) and (PLC or "programmable logic controller") | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/01/16 11:03 |
| - | 20 | ((embedded or internal) adj2 RAM) same (microcontroller or CPU)) and (PLC or "programmable logic controller") and (@ad<=19991026 or @rlad<=19991026) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/01/16 11:05 |
| - | 9 | ("5113093" "5251304" "5416919" "5511211" "5530818" "5537601" "5732246" "5767865" "5771361").PN. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/01/16 10:51 |
| - | 4 | ((("5113093" "5251304" "5416919" "5511211" "5530818" "5537601" "5732246" "5767865" "5771361").PN.) and (PLC or "programmable logic controller" or re-programmable or EPROM)) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/01/16 10:55 |
| - | 3 | ((("5113093" "5251304" "5416919" "5511211" "5530818" "5537601" "5732246" "5767865" "5771361").PN.) and (PLC or "programmable logic controller" or re-programmable or EPROM)) and ((internal adj3 RAM) or (RAM near5 EEPROM)) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/01/16 10:56 |
| - | 1 | 5978943.URPN. | USPAT | 2004/01/16 11:01 |
| - | 20 | ("5331681" "5425036" "5548717" "5566088" "5572664" "5630048" "5701417" "5717704" "5764650" "5768382" "5771240" "5790568" "5909544" "5942981" "5968192" "5978943" "5982681" "6256758" "6286114" "6415393").PN. | USPAT | 2004/01/16 11:02 |
| - | 1 | ((("5331681" "5425036" "5548717" "5566088" "5572664" "5630048" "5701417" "5717704" "5764650" "5768382" "5771240" "5790568" "5909544" "5942981" "5968192" "5978943" "5982681" "6256758" "6286114" "6415393").PN.) and ((embedded or internal) adj2 (EEPROM or RAM)) or (RAM near3 EEPROM)) and (PLC or "programmable logic") | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/01/16 11:05 |
| - | 1201 | (((embedded or internal) adj2 (EEPROM or RAM)) or (RAM near3 EEPROM)) and (PLC or "programmable logic") | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/01/16 11:05 |
| - | 666 | ((((embedded or internal) adj2 (EEPROM or RAM)) or (RAM near3 EEPROM)) and (PLC or "programmable logic")) and (@ad<=19991026 or @rlad<=19991026) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/01/16 11:06 |
| - | 40 | (((((embedded or internal) adj2 (EEPROM or RAM)) or (RAM near3 EEPROM)) and (PLC or "programmable logic")) and (@ad<=19991026 or @rlad<=19991026)) and "programmable logic controller" | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/01/16 11:06 |

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|---|----|---|---|---------------------|
| - | 20 | (US-4178634-\$ or US-6463339-\$ or US-4969083-\$ or US-6201996-\$ or US-6205513-\$ or US-6263487-\$ or US-6249711-\$ or US-5857093-\$ or US-5321603-\$ or US-5287548-\$ or US-5524244-\$ or US-5590373-\$ or US-5566344-\$ or US-5495593-\$ or US-6026230-\$ or US-5978943-\$ or US-5251304-\$ or US-5511211-\$ or US-5537601-\$ or US-5732246-\$).did. | USPAT | 2004/01/16 11:06 |
| - | 40 | ((((((embedded or internal) adj2 (EEPROM or RAM)) or (RAM near3 EEPROM)) and (PLC or "programmable logic")) and (@ad<=19991026 or @rlad<=19991026)) and "programmable logic controller") not ((US-4178634-\$ or US-6463339-\$ or US-4969083-\$ or US-6201996-\$ or US-6205513-\$ or US-6263487-\$ or US-6249711-\$ or US-5857093-\$ or US-5321603-\$ or US-5287548-\$ or US-5524244-\$ or US-5590373-\$ or US-5566344-\$ or US-5495593-\$ or US-6026230-\$ or US-5978943-\$ or US-5251304-\$ or US-5511211-\$ or US-5537601-\$ or US-5732246-\$).did.) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/01/16 11:06 |
| - | 8 | 5802389.URPN. | USPAT | 2004/01/16 11:11 |